

1 Attorney Docket No. 76589

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3                   OUTER CASING STRUCTURE AND FABRICATION METHOD FOR

4                   CABLE SECTIONS AND NAVY BUOYANT ANTENNAS

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6                   ABSTRACT OF THE DISCLOSURE

7                 The present invention relates to a cable section assembly

8         for marine applications having a core structure, such as a

9         buoyant cable antenna interim manufacturing step subassembly, and

10        a protective casing formed from a heat shrinkable tubing which

11        together with the interim subassembly forms a complete assembly.

12        For buoyant cable assembly applications the interim subassembly

13        is at least partially formed of polyurethane material having

14        glass microballoons distributed therein, with such material in

15        any event occupying an outer layer portion of the subassembly.

16        The cable section assembly of the present invention is formed by

17        providing a length of heat shrinkable flexible tubing, inflating

18        or expanding the heat shrinkable tubing to its approximate full

19        diameter, inserting the core structure into the length of tubing,

20        and shrinking the tubing around the core structure.